

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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Claim 1 (canceled)

the coupler comprising:

1	Claim 2 (previously presented): An interferometric
2	coupler for controlling radiation proceeding therethrough,
3	the coupler comprising:
4	at least one input for conveying radiation incident to
5	the coupler,
6	at least one output for conveying radiation from the
7	coupler,
8	a first amplifying part (2) for amplifying the
9	incident radiation, and
10	a second transparent part (4) to guide radiation
11	previously amplified in the first part;
12	wherein the first and second parts are separated by a
13	curved interface (6).
1	Claim 3 (previously presented): An interferometric

at least one input for conveying radiation incident to

coupler for controlling radiation proceeding therethrough,

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- 5 the coupler,
- 6 at least one output for conveying radiation from the
- 7 coupler,
- 8 a first amplifying part (2) for amplifying the
- 9 incident radiation, and
- 10 a second transparent part (4) to guide radiation
- 11 previously amplified in the first part;
- wherein the first and second parts are separated by a
- 13 V-shaped interface (6).
 - 1 Claim 4(previously presented): An interferometric
- 2 coupler for controlling radiation proceeding therethrough,
- 3 the coupler comprising:
- 4 at least one input for conveying radiation incident to
- 5 the coupler,
- at least one output for conveying radiation from the
- 7 coupler,
- 8 a first amplifying part (2) for amplifying the
- 9 incident radiation, and
- 10 a second transparent part (4) to quide radiation
- previously amplified in the first part;
- wherein the first and second parts are separated by a
- zigzag shaped interface (6).

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- Claim 5 (previously presented): An interferometric
- 2 coupler for controlling radiation proceeding therethrough,
- 3 the coupler comprising:
- 4 at least one input for conveying radiation incident to
- 5 the coupler,
- 6 at least one output for conveying radiation from the
- 7 coupler,
- 8 a first amplifying part (2) for amplifying the
- 9 incident radiation, and
- 10 a second transparent part (4) to guide radiation
- 11 previously amplified in the first part;
- wherein the first and second parts are separated by an
- inclined interface (6) on a path of input (8) and output
- 14 (10) rays.

Claim 6 (canceled)

- 1 Claim 7 (currently amended): The coupler according to
- 2 any of claims 2-5 [[1-6]], wherein a signal mode quide is
- 3 placed at the output.

Claims 8-11 (canceled)

1 Claim 12 (currently amended): An optical amplifier

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- 2 comprising:
- 3 an optical pre-amplifier, and
- 4 a coupler according to one of claims 2-5 1 to 6 and 8-
- 5 11.
- Claim 13 (currently amended): Process for amplifying
- 2 the power of a light source emitting radiation, consisting
- of placing a coupler according to any of claims 2-5 1 to 6
- 4 and 8-11, in the path of the said radiation.
- Claim 14 (currently amended): Process to compensate
- 2 for losses in an optical fiber consisting of placing a
- 3 coupler according to any one of claims 2-5 1 to 6 and 8-11,
- 4 in the path of radiation passing through the optical fiber.
- 1 Claim 15 (currently amended): Process for
- 2 amplification of signals multiplexed in wave length,
- 3 consisting of increasing the output power using a coupler
- 4 according to one of claims 2-5 1 to 6 and 8-11.